

63-20120

Preisach, F.
ON MAGNETIC AFTEREFFECT. [1963] 26p. (figs.
formulae omitted) 27refs
Order from SLA \$2.60

63-20120

Trans. of Zeitschrift für Physik (Germany) [1935]
v. 94, p. 277-302

DESCRIPTORS: *Magnetism, *Magnetic properties,
Ferromagnetic materials, *Dielectric properties,
Hysteresis, Alternating current

(Physics--Magnetism, TT, v. 10, no. 11)

1. Preisach, F.

Office of Technical Services

Temperature Relation of the Cone Indentation
Hardness of Metals, by J. Engel, G. Maidkamp. URCL

GERMANY, par, Z Physik, Vol XCV, 1935, pp 39-41.

ASLIB GB-4

Sci - Min/Mat
Apr 59

84,991

Field experiments in the Generation of Ionospheric
With the Atoms of Noble Gases, by Heinz Winterhoff.
24 pp.

GERMAN, Ger. Zur Physik, Vol. KGV, No 7/8, 1935,
p. 101. 9097339

AEC Tr-4863

Sci - Phys
Apr 62

190502

Modified Fluorometer Method for Measuring
Decay Periods of Fluorescent Radiation, by
W. Szymanski, 10 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol XCV,
No 7/8, 1935, pp 440-449.

Navy Tr 1229/NRL 531

Scientific - Physics
CTB 73/Oct 55

28,097

Luminescent Period and the Law of Fluorescent
Radiation, by W. Szymanowski, 10 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol XCV,
No 7/8, 1935, pp 450-459.

Navy Tr 1230/NRL 532

Scientific - Physics
CTS 73/Oct 55

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A New Method of Producing Short, Continuous Electromagnetic Waves of High Intensity, by A. Arsenjew-Heil, B. O. Heil, 26 pp.

GERMAN, per, Z Physik, Vol XV XCV, No 11/12, 12 Jul 1935, pp 752-762.

SLA T: 57-636

Sci - Electricity

50,663

Aug 57

The B-Radiation of Polonium, by W. Bothe.

GERMAN, per, Zeitschrift fur Physik, Vol XCVI,
1935.

AEC Tr 88

Scientific - Physics

16,384

Concerning a Class Solution of the Dirac
Equation, by D. M. Wolkow.
GERMAN, per, Zeitschrift für Physik, Vol 94,
No 3/4, 1935, pp 250-260.
NASA TT F-11,899.

Sci
Dec 68

371,176

Exchange of Vibrational and Translational Energy
Between Excited Iodine Molecules and Rare
Gases, by F. Rossler, 18 pp.

GERMAN, per, Z Physik, Vol XCVI, 1935, pp 251-267.

SLA Tr 2033

Sci - Physics
Jul 57

49,938

The Temperature-Dependence of Recrystallization Phenomena in Solids, by
J.A.M. Van Liempt, 8 pp.
GERMAN, per, Z. Physik, 96, 1935,
pp. 534-541.
*NBS TT 70-57848

Sci/phys
Jun 70

... System Nickel-Manganeese, by S. Valentiner, et al.

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BERMAN, Det., Zeitschrift fur Physik, Vol XCIII and 1935.

Brutcher Tr No 336

Scientific - Min/Metals

\$6.50

13,956

Yield Measurements During Collision
of Slow Electrons with Inert Gas Atoms,
by H. Maier-Leibnitz,
GERMAN, per, Z. Physik, Vol XVI, 1935,
pp 499-523.
*NASA TT F-10,171

U. S. GOVERNMENT USE ONLY

Sci-Phys
Jul 66

On the Mechanism of High-Frequency Discharge, by H.
Beck,

GERMAN, *per*, Z Physik, Vol XCVII, 1935, pp 355-375.

AEC Tr-3984.

Sci - *per* in Physica

Apr 60

115,080

Deflection of Cathode- and Canal Rays
at the Edge of a Condenser Whose Stray
Field is Limited by a Diaphragm, by
R. Herzog.
GERMAN, per, Z. Phys., Vol XCIII, 1935,
pp 596-602.
NASA TT F-10,464

Sci-Phys
Jan 67

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Theory of the Hydrogen Atom, by V. Fock.
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GERMAN, per, Z fuer Physik, Vol XCVIII,
No 3, 4, 1935, pp 145-154. 9696433
DEC ESIC-338

Sci - NS
Apr 65

278,260

Rayleigh Scattering of Hard Radiation by Heavy
Atoms, by W. Franz.
GERMAN, per, Z fur Physik, Vol XCVIII, 1935,
pp 314-320. 9231774
AEC-UCRL-Tr-1257-L

Sci + MS
Feb 66

295,482

Yield Measurements on Collision of
Slow Electrons With Inert Gas Atoms,
by Maier-Leibnitz, H.,
GERMAN, por, Zeit Physik, Vol XCV, 1935,
pp 499-523
NASA TT F-10,191

Sci-Phys
Aug 66

308,926

Effect of Large Electric Fields on Ion Motion in
Crystals, by W. Jost.

GERMAN, per, Z. Physik, Vol 36, 1935, pp 757-760.

*NTIS/NBS TT 71-55119

Available NBS Only

June 71

The Infrared Reflection Spectrum of Silicates,
II., by F. Matossi, H. Kruger, 30 pp.

GERMAN, per, Z physik, Vol XCII, 1936, pp 1-23.

SLA 57-2471

May 58

63,341

On the Limit of the Charge Sensitivity of the Tube
Electrometer. I. by H. Alfven, 36 pp.

GESIAN, per, Z Physik, Vol XCIX, No 1, 2, 11 Feb 1936,
pp 24-41.

SLA 57-2174

Sci -
Jul 58

68,101

A New Interference System with Dusted Mirrors,
by M. Renninger, 13 pp.
GERMAN, per, Zeit. Fur Physik, Vol 100, 1936,
pp 326-334.
ARM/RSIC/Tr-894-69
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Sci/Phy
Mar 69

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The Weak Electrical Single Lens with
Smallest Spherical Aberration, by O. Scherzer,
GERMAN, per, Zeitschrift fur Physik, Vol CI,
1936.

US ESTC SI-S-81-754

Sci-Phys
Feb 66

294,383

The Compressibility of Electrolytic Solutions,
by Ch. Nachem, 28 p.

GERMAN, per, Zeit fur Physik, 1936, Vol CI, No 9/10,
pp 541-577.

ADB-79X330

ATC/938-GJ

Sci
Mar 60
Vol 2, No 11

109,539

The Processes Occurring at the Cathode of Aqueous Discharge,
by G. Beck, H. Schenck, 22 pp.

CHERMAN, BOB, E. Fyvie, Vol CII, 1986, pp 551-561.

ARC HP Tr-834

Sci - Phys
May 62

193,583

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On the Fundamental Axiom of the Theory of Special
Relativity, by J. Meurers, 1, pp.

GERMAN, per, Zeit fuer Physik, Vol CII, 1936,
pp 611-629.

CIA FDD/X 4391

Sci-Phys

NOF 11-130

9 Aug 60

OTS-62-11393

The Thermodynamics of the Diffusion Process,
by U. Dehlinger,
GERMAN, per, Z. Phys, 102, 1936, pp 633-640.
*NBS TT 70-57342

Sci-Phys
Aug 70

Electrical Investigations of Oxide Semiconductors,
by Werner Hartmann, 23 pp.

GERMAN, per, Z. fuer Physik, Vol CII, 1936, pp
709-733.

NTC 70-23822

AEC T-3784
US Dept of Commerce
Nat'l Bureau of Standards

Sci - Electricity; Physics
Dec 56 CTS

41,185

Consequences of Dirac's Positron Theory, by
W. Heisenberg, H. Euler.
GERMAN, per, Zeitschrift fur Physik,
Vol 38, 1936, pp 713-742.
NASA TT F-11,829

Sci
Dec 68

371,068

On the permanent polarisation of the electret,
by Groetzinger, G., Kretsch, H., 21 pp.

GERMAN, per, Z Physik, 103, 1936, p 341-349.

BLA 58-503
AEC-BCL-T-143

Sci

Aug 59

94, 359

A Second Isotope of Lutetium and the Magnetic
Moment and Quadrupole Moment of the Nucleus
of Lu^{175} , by H. Gollnow, 13 pp.
71

GERMAN, per, Zeitschrift für Physik, Vol
CIII, 1936, pp 443-453.

A.E.R.E. Harwell Tr 570

Sci - Nuclear Physics, Isotopes, Lutetium.

May 1956

33,822

On the Theory of the Broadening of Spectral Lines
of a ~~Sun~~ Series by Foreign Gases, by C. Reinsberg

GERMAN, per, Zeit fuer Physik, Vol CV, 1937,
pp 460-467.

Air Res and Dev Command
TI-19 G 71-21-40
(~~is~~ translation on tape)

Scientific - Physics
Jan 56 CTS

30,295

The Nature of Interaction in Heavy Atomic Nuclei, by
H. Euler.

GERMAN, per, Zeitschrift fuer Physik, Vol 105, 1937,
pp 553-575.

NTC-71-10594-20H

HEC GRNL-L 1102

Nov 71

1. Koser, Fritz.
INVESTIGATION OF THE LONG-WAVELENGTH
CHARACTER OF THE ULTRAVIOLET CHARACTER-
ISTIC ABSORPTION OF ALKALI-HALIDE CRYSTALS,
PTE. 1, 3-4, 7-8 (Untersuchungen am Langwelligen
Ausdehner der Ultravioletten Eigenabsorption von
Alkali-Halogenid-Kristallen). [1962] 29p. 19 refs.
Order from SLA \$2.60 63-10769

Partial trans. (p. 70-76, 83-92) of Zeitschrift für
Physik (Germany) 1937, v. 106, p. 70-92.

DESCRIPTORS: *Ultraviolet light, Absorption, *Crys-
tals, Alkali metal compounds, *Potassium compounds,
*Sodium compounds, Halides, Bromides, Chlorides,
Absorption spectrum, *Color centers, Excitation,
Heat treatment, Electrolysis, *Fluorescence, *Elec-
tron capture

(Physics--Solid State, TT, v. 10, no. 2)

(over)

1. Koser, Fritz

1. Koser, Fritz

Office of Technical Services

On the Problem of Ball Lightning, by Th. Neugebauer,
10 pp.

GERMAN, per, Z fuer Physik, Vol CVI, 1937, pp 474-484.

ACSIL Tr 835

SLA 57-2457
51,767

Sci - Physics

Aug 57

Electron-Microscopic Observations of Field
Cathodes, by Erwin W. Muller, 16 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol CVI,
1937, pp 541-550. (NP-2270).

S.L.A. Tr No 423/1955

Sci - Physics
Jan 1957 CTS/dex

45,807

Concerning Screen Type Reflection Gratings, by
K. H. Hellwege.

GERMAN, per, Zeit fur Physik, No 106, 1937,
pp 588-596.

NLL Ref: 5809.95 (T.6353)

Sci/Phys
Mar 70

401,871

The Amorphous State of Metals, by J. Krugger, 17 pp.

GERMAN, per, Z fuer Physik, Vol CVI, 1937, pp 675-691. 9093/18

AEC UCRL Tr-718(L)

Sci - Phys.
Dec 61

177,450

Gas Adsorption in an Electrical Field, by
O. Bluh. 17 pp.
GERMAN, per, Z. Physik, Vol 107, 1937,
pp 369-381.
NASA TT F-13936

Feb 72

Quantitative Treatment of Stationary Light
Electric Primary and Secondary Currents in α
Crystals, as Demonstrated on the KH-KBr Mix
Crystal Which is Used as a Half Conductor
Model, by R. Hilsch, R. W. Pohl, 48pp
GERMAN, per, Zeitschrift fur Physik, Vol 108, 1938,
pp 55-84
SLA TT-64-16993

Sci - Phy
May 67

326,543

Theory of the Electron Movement in a Berlin
Condenser, by A. Recknagel, 26 pp.

GERMAN, per, Z fur Physik, Vol CXI, No 1/2
1938, pp 61-78.

SIA 60-14077

Sci

OTS, Vol III, No 7

Nov 60

133, 142

Theory of Crystal Plasticity, by Albert Kochendorfer,
21 pp.

GERMAN, per, Z Physik, Vol CVIII, 1938, pp 244-264.

ABC Tr 1747

Scientific - Physics

Jan 54 CTS/DEX

9190

Dependence of Specific Pressure and Electron Impact
Widening in the High Pressure Mercury Discharge
Upon Strength of Current, by R. Rompe, P. Schulz.
GERMAN, per, Z. Phys, Vol 110, 1938,

pp 223-232.

■RCL-Trans-10322

July 69

385-966

F. Tyren

The Optical L-Spectra of the Elements Chromium Through
Cobalt in the Extreme Ultraviolet, 5 pp.

ZEIT PHYSIK, Vol 111, 1938-39. pp 314-317.

NAV/NRL-Tr-1259

Mar 73

Glaeser, Walter.

THE DEFLECTION ERRORS OF ELECTRICAL AND
MAGNETIC DEFLECTION SYSTEMS. 16p (figs and
formulas omitted) 4 refs

Order from SLA \$1.60

TT-64-14983

Trans. of Zeitschrift für Physik (Germany) 1938,
v. 111, p. 357-372.

Other trans. are available from SLA \$1.60 as 62-10232
and as 57-3342.

TT-64-14983

I. Glaeser, W.

II. SLA-57-3342

(Engineering--Electrical, TT, v. 12, no. 4)

Office of Technical Services

On the "Phase Focussing" in the Flow of Electrons
in Rapidly Variable Electric Fields, by E. Brüche,
A. Recknagel, 42 pp.

GERMAN, per, Z Physik, Vol CVIII, No 7/8, 1938,
pp 459-482.

SLA 57-2488

May 58

68,187

Concerning Screen-Type Reflection Gratings
(Supplement), by K. H. Hellwege.
GERMAN, per, Zeit fur Physik, No 111, 1938,
pp 495-497.
NLL Ref: 5809.95 (T.6354)

Sci/Phys
Mar 70

401,872

Further Observations With the Field Electron
Microscope, by E. W. Mueller, 13 pp.

GERMAN, per, Zeit fuer Physik, Vol CVIII, 1938,
pp 668-680. (HP-2267) 61-11

S.L.A. Tr 421/1955

Sci - Physics
Jan 1957 CTS/dex

43, 805

The Line Width of HCN Bands, by Einar Lindholm.

GERMAN, per, Zeit fuer Physik, Vol CIX, 1938,
pp 223-235.

Air Res and Dev Command
TT-15 G *TT-17 G U*
(translation on tape)

Scientific - Physics
Jan 56 GTS

30,222

Dependence of Specific Pressure and Electron Impact
Widening in the High Pressure Mercury Discharge
upon Strength of Current, by R. Rorpe, P. Schultz,
15 pp.
GERMAN, per, Z Physik, Vol 110, 1938, pp 223-232.
AEC/UCRL/Tr-10322-69

Sci/Phy
May 69

382,577

Matossi, F. and Brönder, O.
THE INFRARED ABSORPTION SPECTRA OF SEV-
ERAL SILICATES. [1962] 29p. 7 refs.
Order from SLA \$2.60 62-16027

Trans. of Zeitschrift für Physik (Germany) 1938,
v. 111 [no. 1/2] p. 1-17.

DESCRIPTORS: Infrared spectroscopy, Absorption,
Silicates, Zirconium compounds, Aluminum com-
pounds, Benitoite, Beryl, Mica, Potassium compounds.

62-16027

I. Matossi, F.
II. Brönder, O.

(Unannounced)

Office of Technical Services

The Optical L-spectra of the Elements Chromium Through
Cobalt in the Extreme Ultraviolet, by F. Tyren.
GERMAN, per, Z Physik, Vol 111, 1938-39, pp 314-317.
*NAVY/NRL

Nov 72

On the Deflection Errors of Electric and Magnetic
Deflecting Systems, by W. Glaser, 29 pp.

GERMAN, per, Z. Phys, Vol CXI, No 5/6, 1938, pp
357-372.

SLA 57-~~521~~

33A7

Sci

SLA 62-10287

72, 013

Aug 58

The Diffusion of Hydrogen Plus Deuterium in Steel -
Part 1 - Iron as a Cathode of a Glow Discharge, by
A. Gutherschulze.

GERMAN, per, Z. Physik, Vol 111, 1939, pp 657-679.

*NTIS/NBS TT 71-53098

Available NBS Only

June 71

Peterlin, A. and Stuart, H. A.
ON THE DETERMINATION OF SIZE, SHAPE, AND
ELECTRICAL, OPTICAL, AND MAGNETIC AN-
ISOTROPY OF SUBMICROSCOPIC PARTICLES BY
MEANS OF ARTIFICIAL DOUBLE REFRACTION
AND INTERNAL FRICTION (Über die Bestimmung
der Größe und Form, sowie der Elektrischen,
Optischen und Magnetischen Anisotropie von Sub-
mikroskopischen Teilchen mit Hilfe der Künstlichen
Doppelbrechung und der Inneren Reibung). [1962]
[46]p. (foreign text included) 10 refs.
Order from SLA \$4.00 62-16180

Trans. of Zeitschrift für Physik (Germany) 1939,
v. 112, p. 129-147.

DESCRIPTORS: Particles, Electrical properties,
Optics, Refraction, Magnetic properties, Internal
friction.
(Unannounced)

62-16180

I. Peterlin, A.
II. Stuart, H. A.

Office of Technical Services

Concerning the Behavior of Continuous Mercury
Radiation at High Densities, by R. Rompe,
P. Schulz, 8 pp.
GERMAN, per, Z Physik, Vol 112, 1939, pp 369-376.
AEC/UCRL-Tr-10325-69

Sci/Phy
May 69

382,573

The Diffusion of Hydrogen Plus Deuterium in Steel -
Part 2 - Glow Discharge in Mixtures of Hydrogen With
Other Metals, by A. Gutherschulze.

GERMAN, per, Z. Physik, Vol 112, 1939, pp 648-653.

*NTIS/NBS TT 71-53097

Available NBS Only

June 71

A Metallic Compound of Lithium and Ammonia.
Electric Conductivity and Galvanomagnetic Effect,
by Hans Jaffle, 20 pp.

Full translation.

GERMAN, per, Z. Physik, Vol XCIII, 1939,
pp 741-761.

ABC Nr 1740

Scientific - Physics Dec 53 CTS/DEX

8475

The Line Widths of HCl Bands, by Einar Lindholm

GERMAN, per, Zeit fuer Physik, Vol CXIII,
1939, pp 196-206.

Air Res and Dev Command
TT-16 G

(translation on tape)

Scientific - Physics

Jan 56 CTS

30, 223

63-10494

Hoseman, R.
THEORY OF X-RAY SCATTERING BY PARTICLE
MASSES: SETTING UP OF AGGREGATION DIA-
GRAMS. [1962] 26p. (figs. omitted) 9 refs.
Order from SLA \$2.60 63-10494

Trans. of Zeitschrift für Physik (Germany) 1939,
v. 113, p. 751-768.

DESCRIPTORS: *X-rays, *Scattering, Particles,
Cellulose, Fibers, Theory.

I. Hoseman, R.
II. Title: Setting ...

(Physics--Solid State, TT, v. 10, no. 2)

Office of Technical Services

Temperature Dependence of the Diffusion Constants of
Atomic Hydrogen and of Protons in Iron, by
A. Gutherschulze.

GERMAN, per, Z. Physik, Vol 114, 1939, pp 82-91.

*NTIS/NBS TT 71-53099

Available NBS Only

June 71

The Sound Radiation Pressure in Liquids, by G. Hertz,
H. Mende

GERMAN, per, Z Physik, Vol CXIV, 1939, pp 354-367.

Nat'l Res Council (Canada TT 187

Scientific - Physics

Jul CTS/DEI

Price 0.25

16.577

Linear Markings on Fracture Surfaces,
by H. Wallner,
GERMAN, per. Zeit. fur Physik, Vol. 114, 1939,
pp 368-378,
NLL Ref: 5828.4F (7817)

Sci/Physics
Mar 70

404,096

Reversible Process in Magnetic Materials With Small
Internal Strain, by W. Doring, 39 pp.

GERMAN, per, Z Physik, Vol CXIV, 1939, pp 579-601.

SLA Tr 57-979

Sci - Electricity, Physics 52,363

Sep 57

61-14478

Wolf, R. and Maurer, W.
EXPERIMENTS ON HELIUM FLUORESCENCE AND
ON THE VALIDITY OF THE SPIN CONSERVATION
THEOREM IN COLLISIONS OF THE SECOND KIND
BETWEEN EXCITED AND NORMAL HELIUM
ATOMS. [1961] 34p. 9 refs.
Order from SLA \$3.60

61-14478

Trans. of Zeitschrift für Physik (Germany) 1940,
v. 115, no. 7/8, p. 410-430.

DESCRIPTORS: Helium, Fluorescence, Excitation,
Glow discharges, Atomic spectrum, Electrons, Spin.

- I. Wolf, R.
- II. Maurer, W.

161712

Office of Technical Services

(Unannounced)

The Pressure Dependence of Column Ionization in
X Rays, by E. Helbig, 15 pp.

GERMAN, East, J. Chem. Physik, Vol. 60, 1960,
pp 444-455.

AMRE tr-11/3/5/1104

Sci - Phys
Jan 60

105,141

62-16205

Dosse, J.
THEORETICAL AND EXPERIMENTAL EXAMINATION OF ELECTRON GUNS. [1962] 36p. (22 formulae
18 figs. omitted) 32 refs.
Order from SLA \$3.60

62-16205

Trans. of Zeitschrift für Physik (Germany) 1940,
v. 115, p. 530-556.

DESCRIPTORS: *Electron guns, Electron beams,
Geometry, Electrodes, Theory, Experimental data.

(Engineering--Electronic, TT, v. 8, no. 6)

1. Dosse, J.

Office of Technical Services

The Transformation of Energy in Solids, by
F. Moglich, R. Rompe, 20 pp.

GERMAN, per, Zeit fur Physik, Vol CXV, 1940,
pp 707-728.

28,623

CIA/ITD/Z-175

Scientific - Physics

Nov 55 CTS/DEX

Progress in the Production of Images of Surfaces
Irradiated with Electrons, by E. Ruska,
H. O. Muller, 2 p.

^{Rev}
GERMAN, Zeit Phys, 1940, Vol CXVI, No 5/6, pp 366-369

SLA 59-20403

Sci
Mar 60
Vol 2, No 12

109,129

Sub-Light Microscopic Resolving With the
Forming of Images of Surfaces in the Electron
Microscope, by B. Borries, 10 pp.

GERMAN, per, Z Physik, Vol CXVI, No 5/6,
1940, pp 370-378.

SLA 57-2050

May 58

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The Molybdenum-Thorium System, by H. Nelting.
GERMAN, per, Z. Physik, Vol 115, 1940, pp 469-480.
*NTIS/NBS TT 71-55175
Available NBS Only

June 71

The Mechanism of Electrical Gas Clean-Up at
Pressures Below 10^{-4} mm. Hg., by H. Schwarz

GERMAN, per, Z Physik, Vol CXVII, 1940/1941, pp
23-40.

Nat'l Res Council Canada TT 389

Scientific - Physics
Aug CTS/DEK

16,851

The Diffusion of Hydrogen in Iron and Its Effect on
Surface Reactions, by H. Betz.
GERMAN, per, Z. fur Phys., No 117, 1941, pp 100-118.
*NTIS TT 72-53162

Aug 72

Elastic Vibrations of an Anisotropic Medium of
Rectangular Parallelepiped Form, by R. Bechmann,
35 pp.

GERMAN, per, Z Physik, Vol CXVII, No 3/4, 1941,
pp 180-197.

SLA Tr 57-1414

Sci - Physics

54, 604

Oct 57

On the Measurement of the Field of Magnetic Electron
Lenses, by J. Dosse, 14 pp.

GERMAN, per, Z Physik, Vol CXVII, No 7/8, 1941,
pp 437-443.

SLA Tr 57-882

Sci - Physics

52, 383

Sep 57

Electron-Optical Focusing By Quasistatic Paths,
by Richard Wallaushek, 13 pp.

GERMAN, per, Z. Physik, Vol CKVII, 1940-1941, pp
565-574.

AEC Tr1709

Scientific - Physics

CTS/dex

7306

... Diffusion Problems, by Walter Bothe.

ERNAN, Zeitschrift für Physik, Vol CXVIII, 1941.

ANC Tr

Scientific - Nuclear Physics Oct 49 CTS

16,445

On the Sensitivity Distribution of Selenium
Barrier-type Cells, by F. Eckart, A. Schmidt,
20 pp.

GERMAN, per, Z. Physik, Vol CKVIII, No 3, 4,
1941, pp 199-209.

SLA 57-1376

May 58

63817

On the Theory of the Cylindrical-Parabolic Mirror,
by Wilhelm Magnus, 21 pp.

GERMAN, per, Zeit. fuer Physik, Vol CXVIII, 1941,
pp 343-356.

Air Res and Dev Command

T-139 G T-171 G E

Scientific - Physics 30,236
Jan 56 CTS

Dispersion and Absorption of Sound in Clouds,
by K. Oswatitsch,
GERMAN, per, Z. Physik, No 21-22, 1941,
pp 365-378.
NASA TT F-10,939

GOVERNMENT USE ONLY
Sci-Phys
Jul 67

332,872

Further Investigations of Organic Substances by Means
of Electron-Impact Excitation in Glow Discharge. New
Results with Some Mono- and Diderivatives of Benzene,
by H. Schuler, A. Woeldike, 11 pp.

GERMAN, per, Z. Physik, Vol XLVII, 1942, pp 17-22.

SLA 58-81.

Sci

Aug 59

93, 607

Longitudinal Vibrations of Square Quartz Plates, by
R. Bechmann, 48 pp.

GERMAN, per, Z. Physik, Vol CXVIII, No 9/10,
1 Feb 1942.

SLA 57-2155

Sci

May 58

63,103

(UCRL-Trans-10569) SPECTRAL ENERGY DISTRIBUTION OF THE RADIATION OF HIGH CURRENT ARCS (STUDIES OF HIGH CURRENT CARBON ARCS. VI). Finkelburg, W.; Schluge, H. Translated for Univ. of California, Lawrence Livermore Lab., Livermore, from Z. Phys.; 119: 206-22(1942). 19p.

physics; translations

ND-34 P RC

Unlimited

Measurement of the Dielectric Constant and the
Loss Factor of Dielectric Substances for a
Wave-Length of 14 CM by Means of Hollow Resonators,
by F. Borgnis, 24 pp.

GERMAN, per, Phys. Z., Vol XLIII, No 15, 16, Aug
1942, pp 284-291.

S.I.A. Tr 57-307

Sci - Electricity
May 57

48, 734

The Theory of Adsorption and Allied Phenomena, by
J. Frenkel.

HERMAN, Jer, Z. Phys., Vol XXVI, 1942, pp 117-138.

TPA3/TIB Tr No 3952

Scientific - Physics, adsorption, phenomena

Index Aeronauticus

DIFFUSION FROM A POINT SOURCE, by WALTER BOHR.

CHERMAN, per, Zeitschrift für Physik, Vol. LXXV, CXIX
1942.

ABC Tr

16,446

Scientific - Nuclear Physics

Oct 49 CTS

Formation of the Cathode Spot in Luminous Arcs, by
W. Weizel, R. Rompe, 6 pp.

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